



TECHNICAL DATA SHEET

2400 Boston Street | Suite 200 | Baltimore, MD | 21224

DAP® SMARTBOND® Subfloor Construction Adhesive

PRODUCT DESCRIPTION

DAP SMARTBOND SUBFLOOR is a high strength polyurethane foam adhesive that is fast and easy to use. A single can of SMARTBOND provides 8X the coverage of cartridge adhesives. The unique technology applies as a foam and transforms by collapsing into a high-strength, fast-curing adhesive gel that bonds to wet, dry, frozen and treated lumber. An easy-to-use screw top easily threads onto the Applicator Gun for fast and easy application and precise bead control. SMARTBOND Subfloor provides ease-of-use for labor-intensive framing. Delivers a tenacious bond as well as gap bridging properties with a 20-minute open time. Interior/exterior use.



PACKAGING	COLOR	UPC
Net Wt. 20 oz (567 g)	Tan	7079800056

KEY FEATURES & BENEFITS

- **8X More Coverage** - One can provides same yield as (8) 28oz DAP subfloor adhesive cartridges
- **Polyurethane Formula** – Provides a high strength, durable and permanent bond

PERFORMANCE CHARACTERISTICS

- Reusable for up to 30 days when left on applicator gun
- Collapsible foaming gel adhesive
- Gap bridging
- Adheres to wet, frozen & treated lumber
- Meets ASTM D3498 specification for subfloor installation



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SUGGESTED USES

Adheres To:

- Dimensional Lumber
- Metal
- OSB
- Moisture Resistant OSB
- Plywood
- Wood

Recommended For:

- Subfloor & Decking Installation

Not Recommended For:

- Bonding two non-porous materials
- Constant water exposure
- Mirror installation
- Applications other than subfloor & decking installation

FOR BEST RESULTS

Store partially used canisters on adhesive applicator gun for up to one month. DAP SMARTBOND Construction Adhesive cures with reaction to moisture in the atmosphere. To prolong storage, it is recommended to purge applicator weekly with a short discharge of adhesive in a waste receptacle.

SURFACE PREPARATION & APPLICATION

SAFETY FIRST! PRODUCT IS EXTREMELY FLAMMABLE WHEN DISPENSING. Before using, read & understand all health & safety information/product use instructions found below.

INSTRUCTIONS:

1. Wear work clothes, gloves & goggles.
2. Surface must be clean, dry, structurally sound and free of all foreign material.
3. Check temp. Apply between 25°– 120°F. and with > 40% Relative Humidity.
4. Shake can for 30 seconds.
5. For easy attachment to foam applicator gun, apply petroleum jelly to the gun basket before screwing on can.
6. While pointing in a safe direction, depress trigger and attach gun to can (see instructions inside gun box). Do not over-tighten.
7. Pull trigger to release adhesive.
8. Adjust and set control knob for desired bead size/flow rate. ½" bead is recommended for subfloor applications.
9. Apply a continuous bead to floor joists, with applicator gun tip slightly above work surface. Product works best on horizontal surfaces. Not for overhead use.
10. Within 20 minutes, install subfloor panels & follow published fastening schedule.

APPLICATION: For best results this product should only be dispensed in the UPSIDE-DOWN position. Before starting the job, practice dispensing onto scrap materials. Foam working time is 20 minutes and cures in 24



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hours.

CAN REPLACEMENT: While pointing the gun in a safe direction/into waste receptacle, depress trigger and quickly remove empty can. Spray basket with DAP Polyurethane Foam Cleaner and immediately replace with a new can of foam to prevent foam from hardening in the gun.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Typical Uncured Physical Properties	
Appearance/Consistency	Collapsing foam gel
Base Polymer:	Polyurethane
Bead Color	Tan
Odor	Mild
Clean Up	Acetone
Propellant Type	Flammable
Shelf Life	18 months
Coverage	½" bead yields up to approx. 400 linear feet
Typical Application Properties	
Application Temperature Range:	25°F – 120°F
Tooling Time (Working Time)	20 minutes
Full Cure Time	24 hours
Typical Cured Performance Properties	
Service Temperature Range:	-40°F – 195°F
Gap Bridging	Up to 1/16"
VOC Content	150.7 g/L
Calif. ARB VOC	<15 Wt/Wt%

CLEAN UP, STORAGE, RE-USE & DISPOSAL

CLEAN UP: Uncured foam can be cleaned from most surfaces with Foam Cleaner or acetone. Cured foam must be removed mechanically from surfaces. If wet foam contacts skin, clean immediately with a dry rag – do not use water – water accelerates curing. If foam dries on skin, apply generous amounts of petroleum jelly, put on plastic gloves and wait 1 hour. With a clean cloth, firmly wipe off residue and repeat process if necessary. DO NOT use acetone or any other solvents to remove product from skin.

STORAGE/RE-USE/DISPOSAL: Turn gun's flow control knob to closed position and store can in upright position (with gun still attached). To restart, shake well for 30 seconds, turn flow control knob to open position and dispense foam following the instructions above. Store can upright below 90°F & above freezing temperature. Maximum Storage: One month. For final cleaning, remove old foam can and use DAP



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Polyurethane Foam Cleaner to flush applicator following Foam Cleaner can guidance. Dispose of container and unused product in accordance with all current federal, state, and local regulations.

SAFETY

See product label and Safety Data Sheet (SDS) for health and safety information. You can request an SDS by visiting our website at dap.com or by calling **888-DAP-TIPS**.

LIMITED WARRANTY

If product fails to perform when used as directed, call 888-DAP-TIPS within one year of date of purchase with your sales receipt and product container available for replacement product or sales price refund. DAP Global Inc. will not be responsible for incidental or consequential damages.

COMPANY IDENTIFICATION

Manufacturer: DAP Global Inc., 2400 Boston Street, Suite 200, Baltimore, Maryland 21224

Usage Information: Call **888-DAP-TIPS** or visit dap.com & click on "Ask the Expert"

Order Information: 800-327-3339 or orders@dap.com

Fax Number: 410-558-1068

Also, visit the DAP website at dap.com



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